



# MATRIX Ballast - Instruction Manual

Remote Control sold separately

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## Functionality

### 1. Output Display

	Idle	1000w	1000w SB	600w	600w SB	400w	400w SB
Displayed Wattage	off	1000	1040	600	630	400	420
Program	When a program is set, you will see the LCD display alternate the wattage and program settings.						

### 2. Button Usage

There are 2 ways to operate the buttons on the ballast.

- A. Short press to cycle through available programs, wattages, and/or see what program is set.
- B. Hold button for >3 seconds to enter program or timer set mode.

To see if a program is already set, short press PRG button. If no programs are set, display will show “ - - ”. To set program hold the PRG button for >3 seconds

Short press WATTS button to cycle through the desired wattage setting.

### 3. Light Schedules/Programs

#### 3.1 Programs

When a program is set, the ‘PRG’ LED light on the display turn on to show that there is a PRG currently active. The display will cycle the set program and the set wattage during use.



#### 3.2 Setting the Programs

To set the light schedule programs, press & hold the PRG button for >3 seconds until the screen starts to flash. Once the screen flashes, short pressing the PRG button will cycle through the different programs as shown below. By pressing the WATTS button it will select and save the desired program. The program starts as soon as it is selected, if you want the program to start at a specific time, the remote control is required. (sold separately).

	PRG1	PRG2	PRG3	PRG4	PRG5	PRG6	PRG7
Hours On	12	18	19	20	21	22	23
Hours Off	12	6	5	4	3	2	1

#### 4. Error Codes

If & when the ballast encounters an abnormal condition, our SenseSmart™ technology will protect the ballast. An error code will be displayed on screen that will accurately describe the abnormal condition. Error codes include: over/under voltage, over heating, and open/short circuits.

	Over voltage	Under voltage	Over heat	Open circuit	Short circuit
Error codes	E-01	E-02	E-03	E-04	E-05

### 5. Ballast Life Timer

By holding down both buttons on the ballast (PRG & WATTS together) for approx 3 seconds, the ballast will display the active number of hours the ballast has been used for.

### 6. Power Outage/Loss

In the event of a power loss or outage, our integrated digital timer has a back up battery which will save and recall the last programmed settings for up to 6 hours. When the power resumes, the ballast will turn on automatically and resume the light schedule/settings.

### 7. Optional Features

To utilize the SolisTek MATRIX ballast TIMER function, a remote control is required. The timer allows the user to set programs to start at a later time. Remote Control sold separately.

**Remote Control Instruction Manual on reverse.**

For Support please visit:  
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